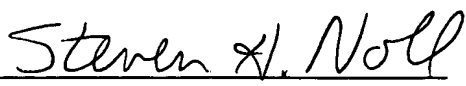


FORM PTO-1390 REV. 5-93 <div style="text-align: center; font-weight: bold; margin-top: 10px;">             TRANSMITTAL LETTER TO THE UNITED STATES              DESIGNATED/ELECTED OFFICE (DO/EO/US)              CONCERNING A FILING UNDER 35 U.S.C. 371         </div>		US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTORNEYS DOCKET NUMBER <b>P99,1784</b>	
INTERNATIONAL APPLICATION NO. <b>PCT/DE98/00563</b> ✓		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold; text-align: center;">09/402144 ✓</div>	
INTERNATIONAL FILING DATE <b>25 February 1998</b> ✓		PRIORITY DATE CLAIMED <b>14 April 1997</b> ✓	
TITLE OF INVENTION <div style="text-align: center; font-weight: bold;">             "METHOD AND SYSTEM FOR PRODUCING AND CHECKING A HASH TOTAL FOR DIGITAL DATA              GROUPED IN SEVERAL DATA SEGMENTS" ✓         </div>			
APPLICANT(S) FOR DO/EO/US <div style="text-align: center; font-weight: bold; margin-top: 5px;">MARTINA HANCK, ET AL.</div>			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<div style="display: flex;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; margin-right: 10px;">             1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16           </div> <div> <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay.</li> <li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of International Application as filed (35 U.S.C. 371(c)(2)) - drawings attached.               <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)) - drawings attached.</li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input checked="" type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11. to 16. below concern other document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98; (PTO 1449, Prior Art, Search Report).</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.  <div style="text-align: center; font-weight: bold; margin-top: 5px;">(SEE ATTACHED ENVELOPE)</div> </li> <li>13. <input checked="" type="checkbox"/> Amendment "A" Prior to Action.               <ol style="list-style-type: none"> <li><input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> </ol> </li> <li>14. <input type="checkbox"/> A substitute specification.</li> <li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>16. <input checked="" type="checkbox"/> Other items or information:               <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Submission of Drawings - 1 sheet of drawings, single figure; and                    Request for Approval of Drawing Additions, 1 sheet of drawings, single figure.</li> <li>b. <input checked="" type="checkbox"/> EXPRESS MAIL #EL378698319US dated September 29, 1999.</li> </ol> </li> </ol> </div> </div>			

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) <b>09/402144</b>		INTERNATIONAL APPLICATION NO. <b>PCT/DE98/00563</b>		ATTORNEY'S DOCKET NUMBER <b>1784</b>	
17. <input checked="" type="checkbox"/> The following fees are submitted:  <b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b> Search Report has been prepared by the EPO or JPO ..... \$840.00  International preliminary examination fee paid to USPTO (37 C.F.R. 1.482) \$670.00  No international preliminary examination fee paid to USPTO (37 C.F.R. 1.482) but international search fee paid to USPTO (37 C.F.R. 1.445(a)(2)) ..... \$760.00  Neither international preliminary examination fee (37 C.F.R. 1.482) nor international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO ..... \$970.00  International preliminary examination fee paid to USPTO (37 C.F.R. 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... \$96.00  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				CALCULATIONS	PTO USE ONLY
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).				\$	
Claims	Number Filed	Number Extra	Rate		
Total Claims	36 - 20 =	16	X \$ 18.00	\$ 288.00	
Independent Claims	06 - 3 =	03	X \$ 78.00	\$ 234.00	
Multiple Dependent Claims			\$260.00 +	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1362.00	
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 C.F.R. 1.9, 1.27, 1.28)				\$	
<b>SUBTOTAL =</b>				\$ 1362.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
<b>TOTAL NATIONAL FEE =</b>				\$ 1362.00	
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$ 1362.00	
				Amount to be refunded	\$
				charged	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1362.00</u> to cover the above fees is enclosed.  b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.  c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>08-2290</u> . A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:  Hill & Simpson A Professional Corporation 85th Floor Sears Tower Chicago, Illinois 60606			<div style="text-align: center;">   <b>SIGNATURE</b>           Steven H. Noll  <b>NAME</b>   <u>28,982</u>  <b>Registration Number</b> </div>		

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09/402144

CERTIFICATE OF MAILING BY EXPRESS MAIL

**Express Mail Mailing Label Number EL378698319US**

**Date of Deposit:** September 29, 1999

I hereby certify that this correspondence is being deposited with the United States Postal "Express Mail Post Office to Addressee" service under 37 CFR 1.10(c) on the date indicated above and is addressed to:

**BOX PCT  
Assistant Commissioner for Patents  
Washington DC 20231**

**Case Number: P99,1784  
Applicant(s): Martina Hanck et al**

**International Application No. PCT/DE98/00563  
International Filing Date 25 FEBRUARY 1998  
Priority Date Claimed 14 APRIL 1997**

**Title: Method and System for Producing and Checking a Hash Total for  
Digital Data Grouped in Several Data Segments**

**Enclosed are the following documents:**

International application as filed, drawings attached;  
English translation, drawings attached;  
Executed Declaration;  
Amendment "A" Prior to Action;  
Information Disclosure Statement, PTO 1449, Search Report, References;  
PTO 1390 in duplicate;  
Submission of Drawings - 1 sheet of drawings, single figure;  
Request for drawing additions - 1 sheet of drawings, single figure;  
Annexes.

**Fee: \$ 1362.00  
Postcard.**

**(See attached envelope for Executed Assignment;  
PTO 1595; \$40.00 filing fee; Postcard)**



Signature of person mailing documents and fees

09/402144

420 Recd PCT/PTO 29 SEP 1999

BOX PCT

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE  
OF THE UNITED STATES PATENT AND TRADEMARK OFFICE  
UNDER THE PATENT COOPERATION TREATY--CHAPTER II

#12

APPLICANT(S): Martina Hanck, et al  
ATTORNEY DOCKET NO.: P99,1784  
INTERNATIONAL APPLICATION NO: PCT/DE98/00563  
INTERNATIONAL FILING DATE: 25 February 1998  
INVENTION: "METHOD AND SYSTEM FOR PRODUCING AND  
CHECKING A HASH TOTAL FOR DIGITAL DATA  
GROUPED IN SEVERAL DATA SEGMENTS"

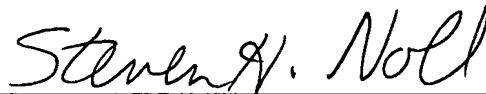
Assistant Commissioner for Patents,  
Washington D.C. 20231

**REQUEST FOR APPROVAL OF DRAWING ADDITIONS**

Sir:

Enclosed is a copy of the drawing (Single Figure), showing in red, the addition of labels to the elements depicted in the Single Figure. Approval of the additions to the Single Figure is respectfully requested.

Submitted by,



(Reg. No. 28,982)

Steven H. Noll  
Hill & Simpson  
A Professional Corporation  
85<sup>th</sup> Floor - Sears Tower  
Chicago, Illinois 60606  
(312)876-0200 ext. 3899  
Attorney for Applicant(s)

09/402144-0999

BOX PCT

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE  
OF THE UNITED STATES PATENT AND TRADEMARK OFFICE  
UNDER THE PATENT COOPERATION TREATY--CHAPTER II

#21

APPLICANT(S): Martina Hanck, et al  
ATTORNEY DOCKET NO.: P99,1784  
INTERNATIONAL APPLICATION NO: PCT/DE98/00563  
INTERNATIONAL FILING DATE: 25 February 1998  
INVENTION: "METHOD AND SYSTEM FOR PRODUCING AND  
CHECKING A HASH TOTAL FOR DIGITAL DATA  
GROUPED IN SEVERAL DATA SEGMENTS"

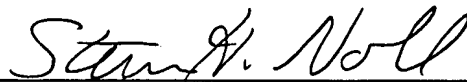
Assistant Commissioner for Patents,  
Washington D.C. 20231

**SUBMISSION OF INFORMAL DRAWINGS**

Sir:

Applicant herewith submits one sheet (Single Figure) of informal drawings for the above-referenced PCT application.

Submitted by,



(Reg. No. 28,982)

Steven H. Noll  
Hill & Simpson  
A Professional Corporation  
85<sup>th</sup> Floor - Sears Tower  
Chicago, Illinois 60606  
(312)876-0200 ext. 3899  
Attorney for Applicant(s)